

IN THE CLAIMS

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1 (currently amended) A vessel for biochemical use, comprising a synthetic resin vessel body (40) having ultraviolet transparency and forming a plurality of recesses (42) side by side, at least inner face portions of the plurality of recesses (42) being coated with a silicon dioxide film (44).

2. (currently amended) The biochemical vessel according to claim 1, wherein ~~herein~~ the silicon dioxide film (44) is formed by a liquid phase method.

3. (currently amended) A biochemical vessel comprising a glass substrate (21) having ultraviolet transparency and a plurality of cylindrical members (23) formed of an inorganic material, the cylindrical members (23) being attached erect on the substrate (21) via an inorganic adhesive (22).

4. (currently amended) A biochemical vessel comprising a glass substrate (21) having ultraviolet transparency and a plate-like body (26) formed of an inorganic material and defining a plurality of through holes (27) along a thickness thereof, said plate-like body (26) being bonded to the substrate (21) via an inorganic adhesive (22).

5. (currently amended) The biochemical vessel according to claim 4, wherein ~~at least one of~~ said plate-like body (26) and said glass substrate (21) define[[s]] a concave portion (32) to form a hollow portion (33) ~~in said plate-like body (26) and/or said glass substrate (21)~~ when the plate-like body (26) and the glass substrate (21) are bonded to each other.

6. (currently amended) The biochemical vessel according to claim 3

[[or 4,]] wherein said organic adhesive (22) comprises a low-melting-point glass or a metal solder.

7. (currently amended) A biochemical vessel comprising an ultraviolet transparent glass molded product (30) defining a plurality of holes (31) disposed side by side and each having a flat bottom face.

8. (currently amended) The biochemical vessel according to claim 7, wherein said holes 31 are tapered from their openings toward their bottom faces.

9. (currently amended) A biochemical vessel comprising a plate-like substrate (34) defining a plurality of through holes (27) along its thickness and a ultraviolet transparent glass container (35) received within each said through hole, with an outer peripheral face of the glass container (35) being fixed in a gapless manner to an inner peripheral face of said through hole (27).

10. (new) The biochemical vessel according to claim 4, wherein at least one of said plate-like body and said glass substrate defines a concave portion therein.

11. (new) The biochemical vessel according to claim 4 wherein said organic adhesive comprises a low-melting-point glass or a metal solder.